

**Top Secret**



DIRECTORATE OF  
INTELLIGENCE

## *Imagery Analysis Service Notes*

28 May 1971

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This publication highlights significant or timely intelligence items derived from photography.

The interpretations in this publication represent preliminary views which are subject to modification in the light of further information and more complete analysis.

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CENTRAL INTELLIGENCE AGENCY  
Directorate of Intelligence  
Imagery Analysis Service

IMAGERY ANALYSIS SERVICE NOTES NO. 13/71

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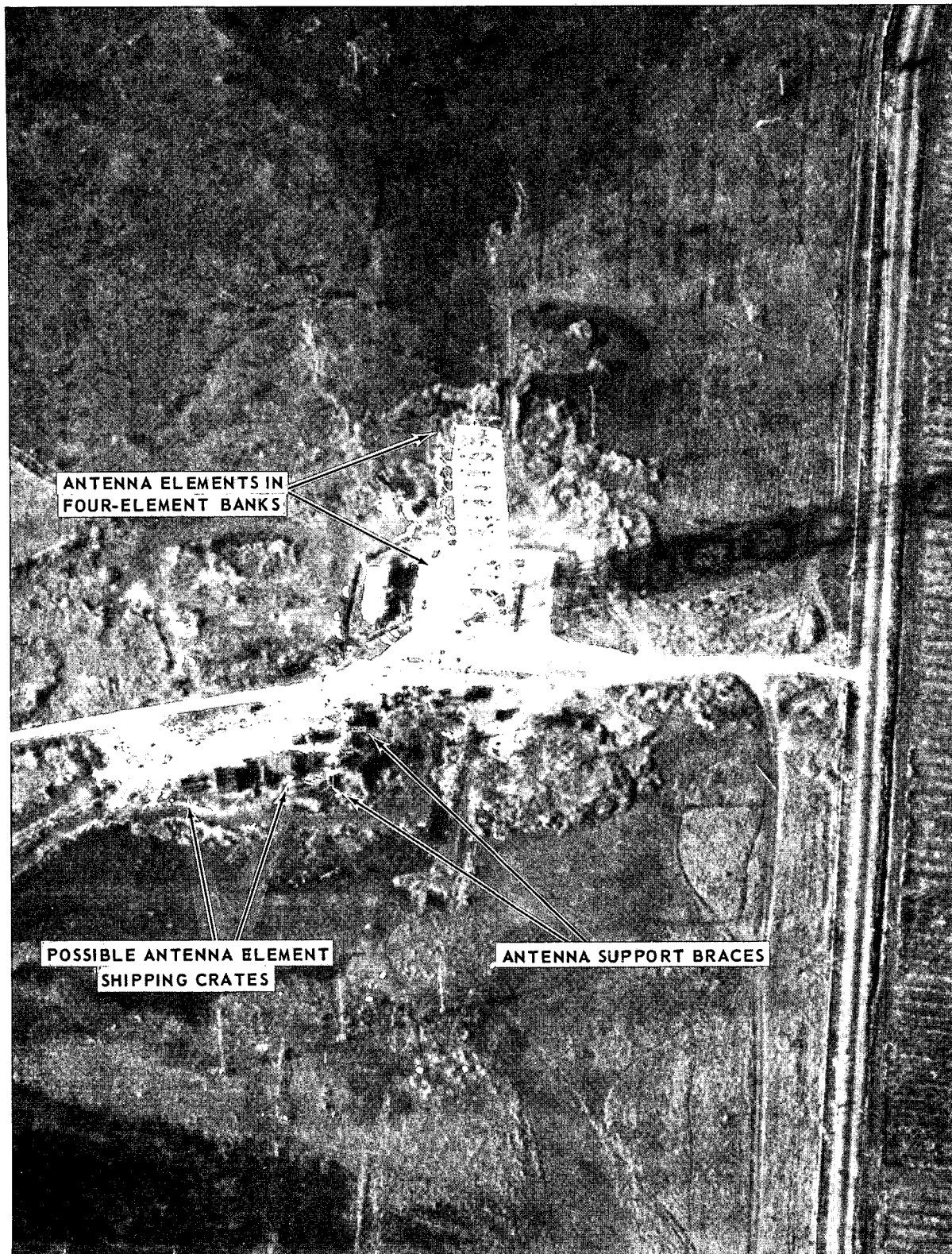


FIGURE 1. NEW HF ANTENNA AT BAUTA, CUBA, [REDACTED]

25X1

CUBA

New HF Antenna of Soviet Design near Havana

25X1D

A new high frequency antenna has been identified under construction on U-2 photography of early [ ] at the Bauta International Radio Broadcasting and Transmitting Station, 15 nm southwest of Havana. The antenna elements are similar to those of the Soviet over-the-horizon (OTH) radar under construction at Nikolayev, USSR. However, the location and narrow width of the new antenna indicate that it will probably be used in a communications role, rather than as an OTH radar.

The new antenna consists of a large, square tower, about 40 feet on a side and 280 feet in height, with eight broadband dipole elements attached vertically on two and possibly three sides of the tower (see Figure 1). The antenna elements appear to be arranged in two banks of four each. The sides of the tower are oriented [ ] degrees (see Figure 2). 25X1D  
Additional antenna support braces are on the ground near the tower base and are probably intended for the fourth side of the tower.

Construction of the tower began between [ ]  
Antenna elements were first noted on the ground in [ ]

25X1D

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25X1D

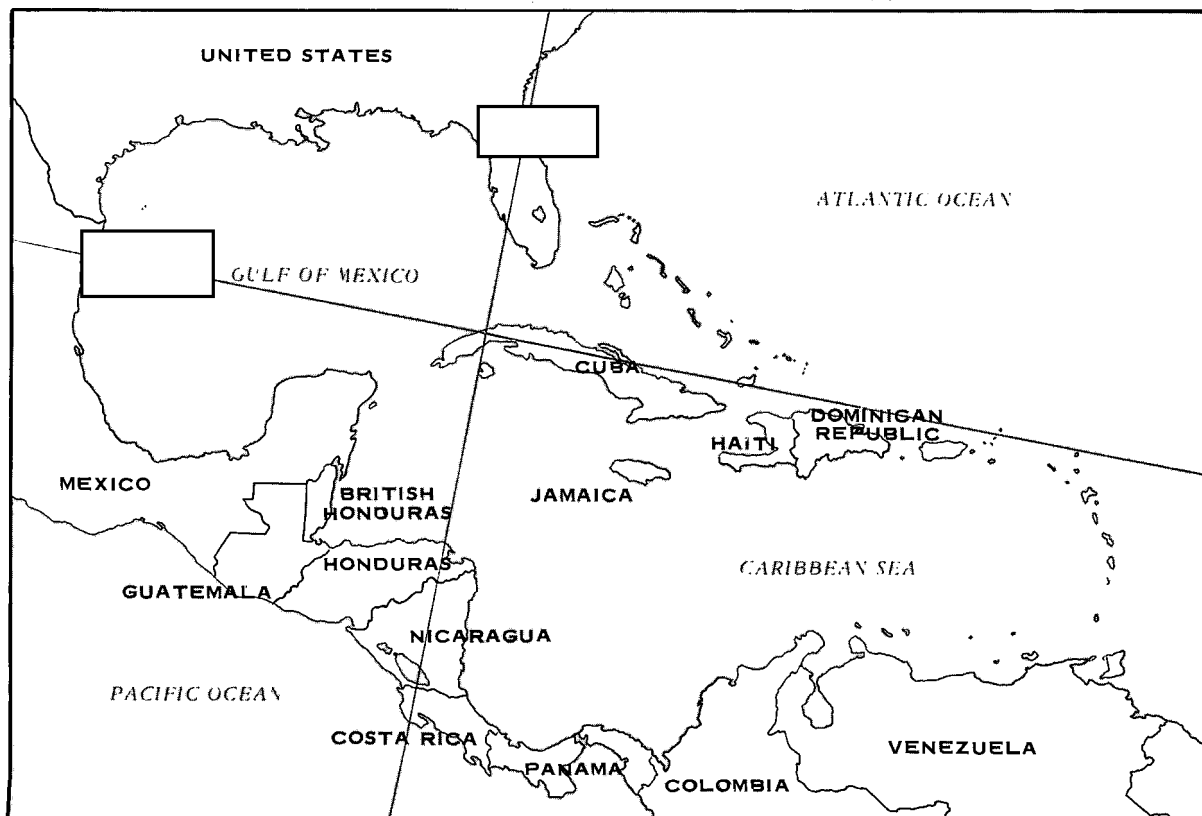


FIGURE 2. ORIENTATIONS OF NEW HF ANTENNA IN CUBA.

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